

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/543,033
Source: PT/10
Date Processed by STIC: 7/28/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/543,033

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**


- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

- 11 Use of <220>
  Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



PCT

RAW SEQUENCE LISTING

DATE: 07/28/2005

PATENT APPLICATION: US/10/543,033

TIME: 17:04:05

Input Set : D:\seq listing 10589-012-999 (as filed).txt

Output Set: N:\CRF4\07282005\J543033.raw

3 <110> APPLICANT: Cao, Liangxian
 4 Trifillis, Panayiota
 6 <120> TITLE OF INVENTION: METHODS FOR IDENTIFYING COMPOUNDS THAT MODULATE UNTRANSLATED
 7 REGION-DEPENDENT GENE EXPRESSION AND METHODS OF USING SAME
 9 <130> FILE REFERENCE: 10589-012-999
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/543,033
 C--> 12 <141> CURRENT FILING DATE: 2005-07-21
 14 <150> PRIOR APPLICATION NUMBER: PCT/US2004/001643
 15 <151> PRIOR FILING DATE: 2004-01-21
 17 <150> PRIOR APPLICATION NUMBER: 60/441,637
 18 <151> PRIOR FILING DATE: 2003-01-21
 20 <160> NUMBER OF SEQ ID NOS: 94
 22 <170> SOFTWARE: PatentIn version 3.2
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 14
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Description of Artificial Sequence: one motif of G-quartet
 element
 33 <220> FEATURE:
 34 <221> NAME/KEY: misc_feature
 35 <222> LOCATION: 3, 7, 8, 11
 36 <223> OTHER INFORMATION: n = a, t, c, or g
 38 <220> FEATURE:
 39 <221> NAME/KEY: misc_feature
 40 <222> LOCATION: (7)..(8)
 41 <223> OTHER INFORMATION: This represents one form of the sequence as described, other
 forms
 42 described may have up to five nucleotides in this variable region
 44 <400> SEQUENCE: 1
 W--> 45 ggntggnggg ntgg
 48 <210> SEQ ID NO: 2
 49 <211> LENGTH: 14
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: Description of Artificial Sequence: one motif of G-quartet
 element
 57 <220> FEATURE:
 58 <221> NAME/KEY: misc_feature
 59 <222> LOCATION: 3, 4, 7, 8, 11, 12
 60 <223> OTHER INFORMATION: n = a, t, g or c
 62 <220> FEATURE:

pp 1, 3, 5-8

Does Not Comply
Corrected Diskette Needed

give source of genetic material

(see item 11 on Euro
summary sheet)

14

63 <221> NAME/KEY: misc_feature
64 <222> LOCATION: (2)..(12)

RAW SEQUENCE LISTING

DATE: 07/28/2005

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TIME: 17:04:05

Input Set : D:\seq listing 10589-012-999 (as filed).txt

Output Set: N:\CRF4\07282005\J543033.raw

```

65 <223> OTHER INFORMATION: This represents one form of the sequence as described, other
forms
66     described have longer variable regions, typical is 2 - 10
67     nucleotides
69 <400> SEQUENCE: 2
W--> 70 ggnngggnngg nngg                                14
73 <210> SEQ ID NO: 3
74 <211> LENGTH: 14
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: general formula of G-
quartet element
82 <220> FEATURE:
83 <221> NAME/KEY: misc_feature
84 <222> LOCATION: 3, 4, 7, 8, 11, 12
85 <223> OTHER INFORMATION: n = a, t, g, or c
87 <220> FEATURE:
88 <221> NAME/KEY: misc_feature
89 <222> LOCATION: (2)..(12)
90 <223> OTHER INFORMATION: This represents one form of the sequence as described, other
forms
91     described have longer variable regions, typical is 2 - 10
92     nucleotides
94 <400> SEQUENCE: 3
W--> 95 ggnngggnngg nngg                                14
98 <210> SEQ ID NO: 4
99 <211> LENGTH: 19
100 <212> TYPE: RNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Description of Artificial Sequence: one subunit of 15-LOX-
DICE
106 <400> SEQUENCE: 4
107 ccccrccuc uuccccaag                                19
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 152
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 5
116 gcagaggacc agctaagagg gagagaagca actacagacc cccctgaaa acaaccctca    60
118 gacgccacat cccctgaaa gctgccaggc aggttctctt cctctcacat actgaccac    120
120 ggctccaccc tctctccctt ggaaaggaca cc                                152
123 <210> SEQ ID NO: 6
124 <211> LENGTH: 792
125 <212> TYPE: DNA
126 <213> ORGANISM: Homo sapiens
128 <400> SEQUENCE: 6
129 tgaggaggac gaacatccaa ccttcccaaa cgcctccctt gcccgaatcc ctttattacc    60
131 cctccttca gacaccctca acctcttctg gtcaaaaag agaattgggg gcttagggtc    120
133 ggaacccaag cttagaactt taagcaacaa gaccaccact tcgaaacctg ggattcagga    180
135 atgtgtggcc tgcacagtga attgctggca accactaaga attcaaactg gggcctccag    240
137 aactcactgg ggcctacagc tttgatccct gacatctgga atctggagac cagggagcct    300

```

RAW SEQUENCE LISTING

DATE: 07/28/2005

PATENT APPLICATION: US/10/543,033

TIME: 17:04:05

Input Set : D:\seq listing 10589-012-999 (as filed).txt

Output Set: N:\CRF4\07282005\J543033.raw

```

139 ttggttctg ccagaatgct gcaggacttg agaagacctc acctagaaat tgacacaagt 360
141 ggaccttagg ccttcctctc tccagatgtt tccagacttc cttgagacac ggagcccagc 420
143 cctccccatg gagccagctc cctctattta tgtttgcact tgtgattatt tattatttat 480
145 ttattattta tttatttaca gatgaatgta tttatttggg agaccggggt atcctggggg 540
147 acccaatgta ggagctgcct tggctcagac atgttttccg tgaaaacgga gctgaacaat 600
149 aggctgttcc catgtagccc cctggcctct gtgccttctt ttgattatgt tttttaaaat 660
151 atttatctga ttaagttgtc taaacaatgc tgatttggtg accaactgtc actcattgct 720
153 gagcctctgc tccccagggg agttgtgtct gtaatcgccc tactattcag tggcgagaaa 780
155 taaagtttgc tt 792
158 <210> SEQ ID NO: 7
159 <211> LENGTH: 21
160 <212> TYPE: RNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: Group I AU-Rich element
(ARE)
165         cluster of 3'untranslated region
167 <400> SEQUENCE: 7
168 auuuuuuuau uuauuuuuu a 21
171 <210> SEQ ID NO: 8
172 <211> LENGTH: 40
173 <212> TYPE: DNA
174 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 8
177 kctggaggat gtggctgcag agcctgctgc tcttgggcac 40
180 <210> SEQ ID NO: 9
181 <211> LENGTH: 289
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 9
186 gccggggagc tgctctctca tgaaacaaga gctagaaact caggatgggc atcttggagg 60
188 gaccaagggg tgggccacag ccatgggtgg agtggcctgg acctgccctg ggccacactg 120
190 accctgatac aggcattggc gaagaatggg aatattttat actgacagaa atcagtaata 180
192 tttatatatt tatattttta aaatatttat ttattttatt atttaagttc atattccata 240
194 tttattcaag atgttttacc gtaataatta ttattaaaaa tatgcttct 289
197 <210> SEQ ID NO: 10
198 <211> LENGTH: 21
199 <212> TYPE: RNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Group I AU-Rich element
(ARE)
204         cluster of 3'untranslated region
206 <400> SEQUENCE: 10
207 auuuuuuuau uuauuuuuu a 21
210 <210> SEQ ID NO: 11
211 <211> LENGTH: 47
212 <212> TYPE: DNA
213 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 11
216 atcactctct ttaatcacta ctcacattaa cctcaactcc tgccaca 47

```

RAW SEQUENCE LISTING

DATE: 07/28/2005

PATENT APPLICATION: US/10/543,033

TIME: 17:04:05

Input Set : D:\seq listing 10589-012-999 (as filed).txt

Output Set: N:\CRF4\07282005\J543033.raw

219 <210> SEQ ID NO: 12
 220 <211> LENGTH: 307
 221 <212> TYPE: DNA
 222 <213> ORGANISM: Homo sapiens
 224 <400> SEQUENCE: 12
 225 taattaagtg cttccactt aaaacatata aggccttcta tttattttatt taaatattta 60
 227 aattttatat ttattgttga atgtatggtt gctacctatt gtaactatta ttcttaatat 120
 229 taaaactata aatatggatc ttttatgatt ctttttgtaa gccctagggg ctctaaaatg 180
 231 gtttacctta tttatcccaa aaatatttat tattatgttg aatgttaa atagtatcta 240
 233 tgtagattgg ttagtaaaac tatttaataa atttgataaa tataaaaaaa aaaaacaaaa 300
 235 aaaaaaa 307

238 <210> SEQ ID NO: 13
 239 <211> LENGTH: 15
 240 <212> TYPE: RNA
 241 <213> ORGANISM: Artificial Sequence
 243 <220> FEATURE:

244 <223> OTHER INFORMATION: Description of Artificial Sequence: Group III AU-Rich element (ARE)

245 cluster of 3'untranslated region

248 <220> FEATURE:

249 <221> NAME/KEY: misc_feature

250 <222> LOCATION: (1)..(15)

251 <223> OTHER INFORMATION: n = a, (t) g or c

253 <400> SEQUENCE: 13

W--> 254 nauuuuuua uuan

257 <210> SEQ ID NO: 14

258 <211> LENGTH: 62

259 <212> TYPE: DNA

260 <213> ORGANISM: Homo sapiens

262 <400> SEQUENCE: 14

263 ttctgccttc gagccaccg ggaacgaaag agaagctcta tctgcctcc aggagccag 60

265 ct 62

268 <210> SEQ ID NO: 15

269 <211> LENGTH: 427

270 <212> TYPE: DNA

271 <213> ORGANISM: Homo sapiens

273 <400> SEQUENCE: 15

274 tagcatgggc acctcagatt gttgttggtta atgggcattc cttcttcttg tcagaaacct 60

276 gtccactggg cacagaactt atgttggttct ctatggagaa ctaaaagtat gagcgtagg 120

278 aactatattt aattattttt aattatttaa tatttaaata tgtgaagctg agttaattta 180

280 tgaagtcat atttatattt ttaagaagta ccacttgaaa cattttatgt attagttttg 240

282 aaataataat ggaaagtggc tatgcagttt gaatatcctt tgtttcagag ccagatcatt 300

284 tcttggaag ttaggctta cctcaaataa atggctaact tatacatatt tttaaagaaa 360

286 tatttatatt gtatttatat aatgtataaa tggtttttat accaataaat ggcattttta 420

288 aaaattc 427

291 <210> SEQ ID NO: 16

292 <211> LENGTH: 15

293 <212> TYPE: RNA

294 <213> ORGANISM: Artificial Sequence

296 <220> FEATURE:

It's not allowed in an RNA sequence

Do you mean "u"?

OK see p. 6

RAW SEQUENCE LISTING

DATE: 07/28/2005

PATENT APPLICATION: US/10/543,033

TIME: 17:04:05

Input Set : D:\seq listing 10589-012-999 (as filed).txt

Output Set: N:\CRF4\07282005\J543033.raw

297 <223> OTHER INFORMATION: Description of Artificial Sequence: Group III AU-Rich element (ARE)

298 cluster of 3'untranslated region

301 <220> FEATURE:

302 <221> NAME/KEY: misc_feature

303 <222> LOCATION: (1)..(15)

304 <223> OTHER INFORMATION: n = a, (t), g or c

306 <400> SEQUENCE: 16

W--> 307 nauuuuuuuu uuan

310 <210> SEQ ID NO: 17

311 <211> LENGTH: 701

312 <212> TYPE: DNA

313 <213> ORGANISM: Homo sapiens

315 <400> SEQUENCE: 17

316 aagagctcca gagagaagtc gaggaagaga gagacggggt cagagagagc gcgcgggcgt 60
 318 gcgagcagcg aaagcgacag gggcaaagtg agtgacctgc ttttgggggt gaccgccgga 120
 320 gcgcggcggt agccctcccc cttgggatcc cgcagctgac cagtcgcgct gacggacaga 180
 322 cagacagaca ccgccccag cccagttac cactcctcc ccggccggcg gcggacagtg 240
 324 gacgcggcgg cgagccgcgg gcaggggccc gagcccggc ccggaggcgg ggtggagggg 300
 326 gtcggagctc gcggcgctgc actgaaactt ttctgccaac ttctgggctg ttctcgcttc 360
 328 ggaggagccg tggctccgcg gggggaagcc gagccgagcg gagccgcgag aagtgtagc 420
 330 tcgggcccgg aggagccgca gccggaggag ggggaggagg aagaagagaa ggaaggagg 480
 332 agggggccgc agtggcgact cggcgctcgg aagccgggct catggacggg tgaggcggcg 540
 334 gtgtgcgag acagtgtctc agcgcgcgcg ctccccagcc ctggcccggc ctcgggccgg 600
 336 gaggaagagt agctcgccga ggcgcgaggg agagcgggccc gccccacagc ccgagccgga 660
 338 gagggacgcg agccgcgcgc cccggtcggg cctccgaaac c 701

341 <210> SEQ ID NO: 18

342 <211> LENGTH: 1892

343 <212> TYPE: DNA

344 <213> ORGANISM: Homo sapiens

346 <400> SEQUENCE: 18

347 tgagccgggc aggaggaagg agcctccctc agggtttcgg gaaccagatc tctctccagg 60
 349 aaagactgat acagaacgat cgatacagaa accacgctgc cgccaccaca ccatcaccat 120
 351 cgacagaaca gtctttaatc cagaaacctg aaatgaagga agaggagact ctgcgagag 180
 353 cactttgggt ccggagggcg agactccggc ggaagcattc ccgggcccgt gaccagcac 240
 355 ggtccctctt ggaattggat tcgccatttt atttttcttg ctgctaaatc accgagccc 300
 357 gaagattaga gagttttatt tctgggattc ctgtagacac acccaccac atacatacat 360
 359 ttatatatat atatattata tatatataaa aataaatatc tctattttat atatataaaa 420
 361 tatatatatt ctttttttaa attaacagtg ctaatgttat tgggtgtcttc actggatgta 480
 363 tttgactgct gtggacttga gttgggaggg gaatgttccc actcagatcc tgacagggaa 540
 365 gaggaggaga tgagagactc tggcatgata tttttttgt cccacttggg ggggccaggg 600
 367 tctctctccc tgcccaagaa tgtgcaaggc cagggcattg gggcaaatat gaccagttt 660
 369 tgggaacacc gacaaaccca gccctggcgc tgagcctctc taccacaggc cagacggaca 720
 371 gaaagacaaa tcacaggttc cgggatgagg acaccggctc tgaccaggag tttggggagc 780
 373 ttcaggacat tgctgtgctt tggggattcc ctccacatgc tgcacgcgca tctcgcccc 840
 375 aggggcactg cctggaagat tcaggagcct gggcggcctt cgcttactct cactgtcttc 900
 377 tgagttgccc aggaggccac tggcagatgt cccggcgaag agaagagaca cattgttgga 960
 379 agaagcagcc catgacagcg ccccttctct ggactcgccc tcactctctt cctgtctccc 1020
 381 ttcttggggt gcagcctaaa aggacctatg tctcacacc attgaaacca ctagtctctg 1080
 383 cccccagga aacctggttg tgtgtgtgtg agtggttgac cttctctcat cccctggtcc 1140

not allowed in an RNA sequence

same error

in sequence 20

15

see p. 7

10/543,033

7

<210> 40
 <211> 751
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (535)..(739)

<223> n = a, t, g or c

(734) "+" is at location 739

<400> 40

taagcaggcc tccaacgccc ctgtggccaa ctgcaaaaaa agcctccaag ggtttcgact 60
 ggtccagctc tgacatccct tcctggaaac agcatgaata aaacactcat cccatgggtc 120
 caaattaata tgattctgct ccccccttct ccttttagac atggttgtgg gtctggaggg 180
 agacgtgggt ccaaggtcct catcccatcc tccctctgcc aggcactatg tgtctggggc 240
 ttcgatcctt ggggtgcaggc agggctggga cacgcggctt ccctcccagt ccctgccttg 300
 gcaccgtcac agatgccaag caggcagcac ttagggatct ccagctggg ttagggcagg 360
 gcctggaaat gtgcattttg cagaaacttt tgagggtcgt tgcaagactg ttagcaggc 420
 ctaccaggtc cctttcatct tgagagggaac atggccccctt gttttctgca gcttcacgc 480
 ctctgcactc cctgccccctg gcaagtgtc ccatcgcccc cggtgcccac catgnagctc 540
 cccgcacctg actcccccca catccaaggc cagccctgga accagtgggc tagttccttg 600
 aaggaagccc cactcattcc tattaatccc tcagaattcc cgggggggagc cttccctcct 660
 gaaccttggt aaaaaatggg gaacgagaaa aacccccgct tggagctgtg cgtttccagc 720
 ccctacttga gaggctttttt tttggggggc g 751

see p. 8

10/543,033

8

<210> 88

<211> 22

<212> DNA

<213> Artificial

Sequence

equence

<220>

<223> Description of Artificial Sequence: PCR primer (Sense/BglII)

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/543,033

DATE: 07/28/2005
TIME: 17:04:06

Input Set : D:\seq listing 10589-012-999 (as filed).txt
Output Set: N:\CRF4\07282005\J543033.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. ~~3,7,8,11~~
Seq#:2; N Pos. ~~3,4,7,8,11,12~~
Seq#:3; N Pos. ~~3,4,7,8,11,12~~
Seq#:13; N Pos. ~~1,15~~
Seq#:16; N Pos. ~~1,15~~
Seq#:20; N Pos. ~~1,15~~
Seq#:33; N Pos. 409,444
Seq#:40; N Pos. 535,734

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/543,033

DATE: 07/28/2005

TIME: 17:04:06

Input Set : D:\seq listing 10589-012-999 (as filed).txt

Output Set: N:\CRF4\07282005\J543033.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:45 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:1078 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:360
M:341 Repeated in SeqNo=33
L:1289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:480
M:341 Repeated in SeqNo=40
L:2695 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:88